

serve as a precursor to the next stage of the R&D effort to investigate new and enhanced thermal processing techniques—specifically, Enhanced High Pressure Processing (EHPP) and Microwave Sterilization (MW) technologies. The EHPP and MW processing technologies have numerous advantages over conventional thermal processing; however, these processes cannot be used on current foil packaging because they cause blistering and flex cracking of the foil packaging material. Therefore, to achieve the advantages of advanced EHPP and MW processing, it is essential to use state-of-the-art, non-foil packaging materials.

The development of advanced, non-foil packaging materials and utilization of innovative EHPP and MW processing techniques will result in the provision of rations with the following beneficial and enhanced qualities: greater variety, better taste, more nutrition, longer shelf-life, lower overall production costs, environmentally friendly, less volume and waste. The FY10 effort will consist of three stages and is budgeted as follows: Stage 1: Blistering (\$0.14M), Stage 2: Flex Crack Resistance (\$0.26M), Stage 3: EHPP & MW Trials (\$0.6M).

Requesting Member: Congressman PHIL GINGREY

Bill Number: H.R. 3326

Account: Research, Development, Test, Evaluation, Defense Wide

Legal Name of Requesting Entity: Scientific Research Corporation

Address of Requesting Entity: 2300 Windy Ridge Parkway, Suite 400, Atlanta, GA 30339

Description of Request: This program will utilize recently developed Wavelet Packet Modulation (WPM). The \$1,000,000 included in H.R. 3326 will be used to implement design modifications for limited rate initial production, including form factor packaging changes for ruggedization and for integration with signal intelligence systems. Additionally, production readiness for integration with existing communications systems will occur. Finally, module testing will be subjected to continued assessment and utility testing on multiple platforms.

The enhanced modules will then undergo a final government Production Readiness Review, paving the way for subsequent deployment. Covert WPM Communications Modules as communications links for multiple platforms, including unmanned aerial systems, provide a critical solution to special operations warfighters that require the ability to communicate covertly without detection.

Funding is required for hardware and software engineering, integration, and testing (64%); specialized equipment (21%); specialized software (13%); and travel to U.S. Special Operations Command and to military test sites (2%). This request is consistent with the intended and authorized purpose of the U.S. Special Operations Command Special Operations Tactical Systems Development program.

Requesting Member: Congressman PHIL GINGREY

Bill Number: H.R. 3326

Account: Other Procurement, Army

Legal Name of Requesting Entity: Meggitt Training Systems

Address of Requesting Entity: 7340 McGinnis Ferry Road, Suwanee, GA 30024

Description of Request: The ARNG combined arms simulation training system began

in 1996, and presently there are 266 fielded Combat Skills Marksmanship Trainers (CSMT) systems. All have been or are in the process of being upgraded. The ARNG has an immediate requirement to supply its soldiers with newer and more advanced training technology, since simulators are an integral part of the training requirement. Since the Army no longer supports the ARNG with training simulator systems, Congress has consistently provided funding for these systems upgrades. ARNG itself has contributed funds of its own—\$4.5 million in FY07 and \$1.2 million in FY08.

The ARNG's immediate need is to upgrade the remaining fleet of CSMT systems, and the plan includes acquiring approximately 1,200 new weapons. The \$4,000,000 included in H.R. 3326 will continue the multiyear upgrade and modernization of existing firearms simulation systems in the Army National Guard necessary to meet the validated system standard.

The ARNG has defined modernization as paramount to resolving an immediate mandatory small-arms training need in support of the Guard's role in a global war on terrorism and homeland security. The Army's Program Executive Office for Simulation, Training & Instrumentation (PEO STRI) has validated the upgraded system as a U.S. Army standard for use by the ARNG.

The CSMT system includes U.S. Army-specific courseware and training scenarios that address new and complex tactical situations and provide soldiers with the ability to conduct weapons, judgmental, and military training in a tactical environment built on geo-specific terrain databases. The CSMT simulates tactical small unit defensive and offensive situations such as security operations, fire & maneuver, and hostage & clearing operations in built-up urban areas. Small unit leaders use the system to conduct mission planning and rehearsal. The system's embedded scenario authoring capability allows the user to quickly author a scenario reflecting emerging doctrinal and/or mission requirement changes.

Requesting Member: Congressman PHIL GINGREY

Bill Number: H.R. 3326

Account: Research, Development, Test, Evaluation, Army

Legal Name of Requesting Entity: CryoLife

Address of Requesting Entity: 1655 Roberts Boulevard, NW, Kennesaw, GA 30144

Description of Request: Despite advances in medical technology, battlefield trauma injuries present a significant threat to the lives of U.S. soldiers. In fact uncontrollable bleeding from internal wounds where tourniquets cannot be applied is a major cause of combat casualty. Biofoam Protein Hydrogel will provide a new tool for physicians to address blood loss at Forward Surgical Team (FST) and Combat Support Hospital (CSH) locations for injuries sustained by service personnel.

CryoLife believes that further development of its existing protein hydrogel technology could result in FDA approval to address blood loss by forward surgical teams or combat support hospitals. CryoLife has developed a formulation for an expanding, adhesive, foam sealant. This two-part material is applied as a liquid that mixes in the portable delivery device and is expressed as a foam to the application site where it bends to the surrounding tissue. An easy to use, expandable hemostatic agent would provide better packing, faster hemostasis and improve the survival of the soldier by extending his "golden hour."

Congress has appropriated \$6.6 million for the development of this technology in FY05–09. The \$1,000,000 included in H.R. 3326 will build upon the previously funded work conducted with the Army Medical Research and Material Command and the Army Institute of Surgical Research (ISR), including feasibility studies and acute and chronic animal studies. The funding included in H.R. 3326 would support large scale pivotal clinical trials on humans in accordance with FDA standards and protocols.

#### EARMARK DECLARATION

##### HON. BRETT GUTHRIE

OF KENTUCKY

IN THE HOUSE OF REPRESENTATIVES

Wednesday, July 29, 2009

Mr. GUTHRIE. Madam Speaker, pursuant to the Republican Leadership standards on earmarks, I am submitting the following information regarding earmarks I received as part of H.R. 3326, the Departments of Defense Appropriations Act, 2010.

Requesting Member: Congressman BRETT GUTHRIE

Bill Number: H.R. 3326

Account: RDT&E/Army/Medical Technology  
Recipient: Owensboro Medical Health System Mitchell Memorial Cancer Center, 811 E. Parrish Avenue, Owensboro, KY 42303

Description of Request: Provide \$2,500,000 to continue the hospital's partnership in plant-based pharmaceutical research.

#### EARMARK DECLARATION

##### HON. ROBERT J. WITTMAN

OF VIRGINIA

IN THE HOUSE OF REPRESENTATIVES

Wednesday, July 29, 2009

Mr. WITTMAN. Madam Speaker, pursuant to the Republican Leadership standards on earmarks, I am submitting the following information regarding an earmark I received as part of H.R. 3326, the Department of Defense Appropriations Act, 2010.

Program Name: SSBN(X) Systems Development

Amount: \$2,500,000

Requested By: ROBERT J. WITTMAN (VA-01)

Account: Research and Development, Navy (RDTE,N)

Intended Recipient of Funds: Northrop Grumman Corporation, 1000 Wilson Blvd, Suite 2300, Arlington, VA 22209

Program description and explanation of the request: This funding is provided as an increase to the Advanced Submarine Systems Development Program, Line 41, Research and Development, Navy. SSBN-X is the designation for the submarine class that will serve as the replacement for the OHIO submarine class, which will begin going out of service in 2029. The OHIO Class is the nation's primary and most secure nuclear deterrent and this capability will be maintained. Detail design expected to start as early as FY12 (construction start is in FY19) and the concept design work must be performed in advance of detail design. \$53M was requested for FY09 in order to conduct the SBSD concept study plan originally planned for FY08 and FY09 which has